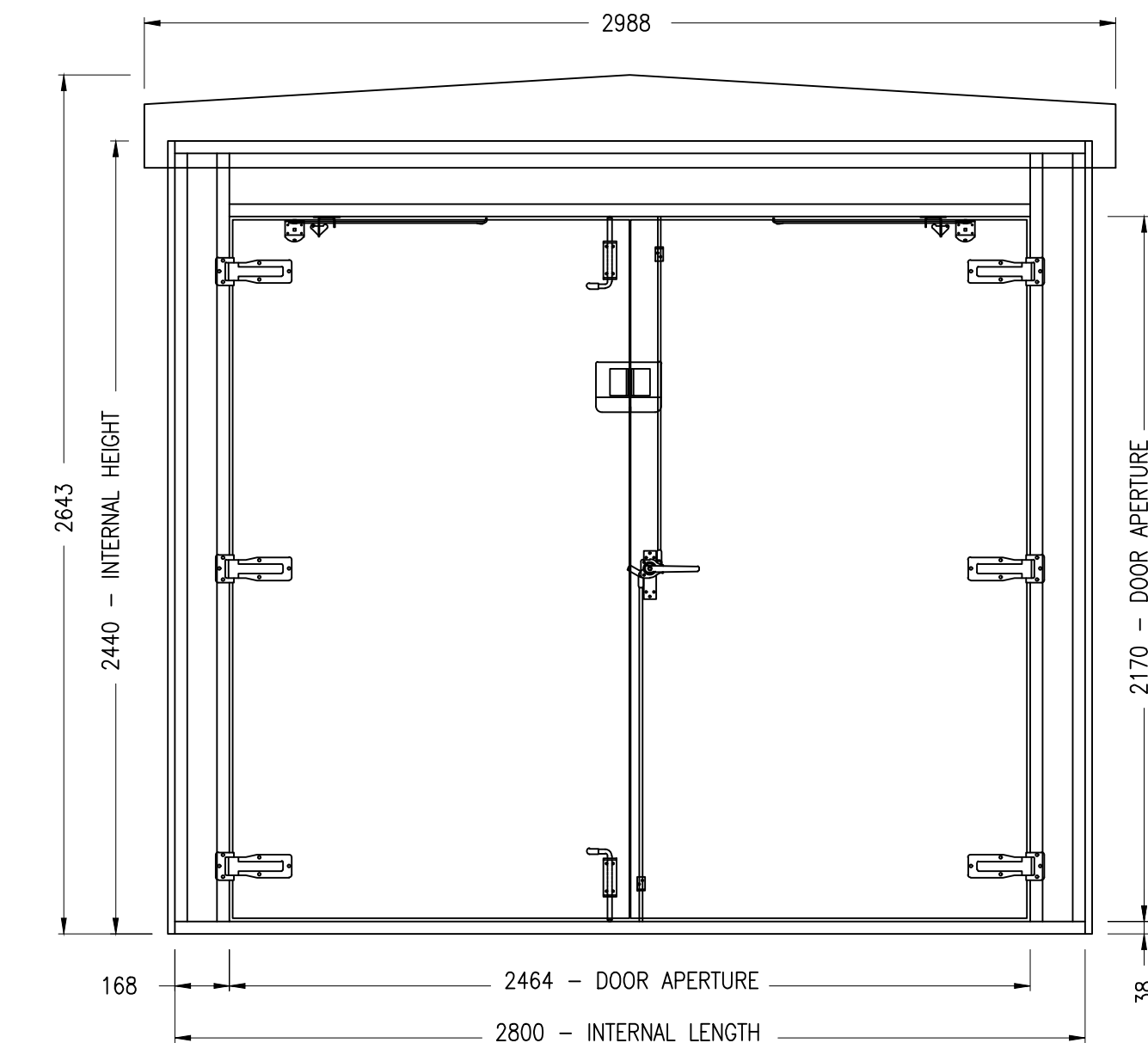
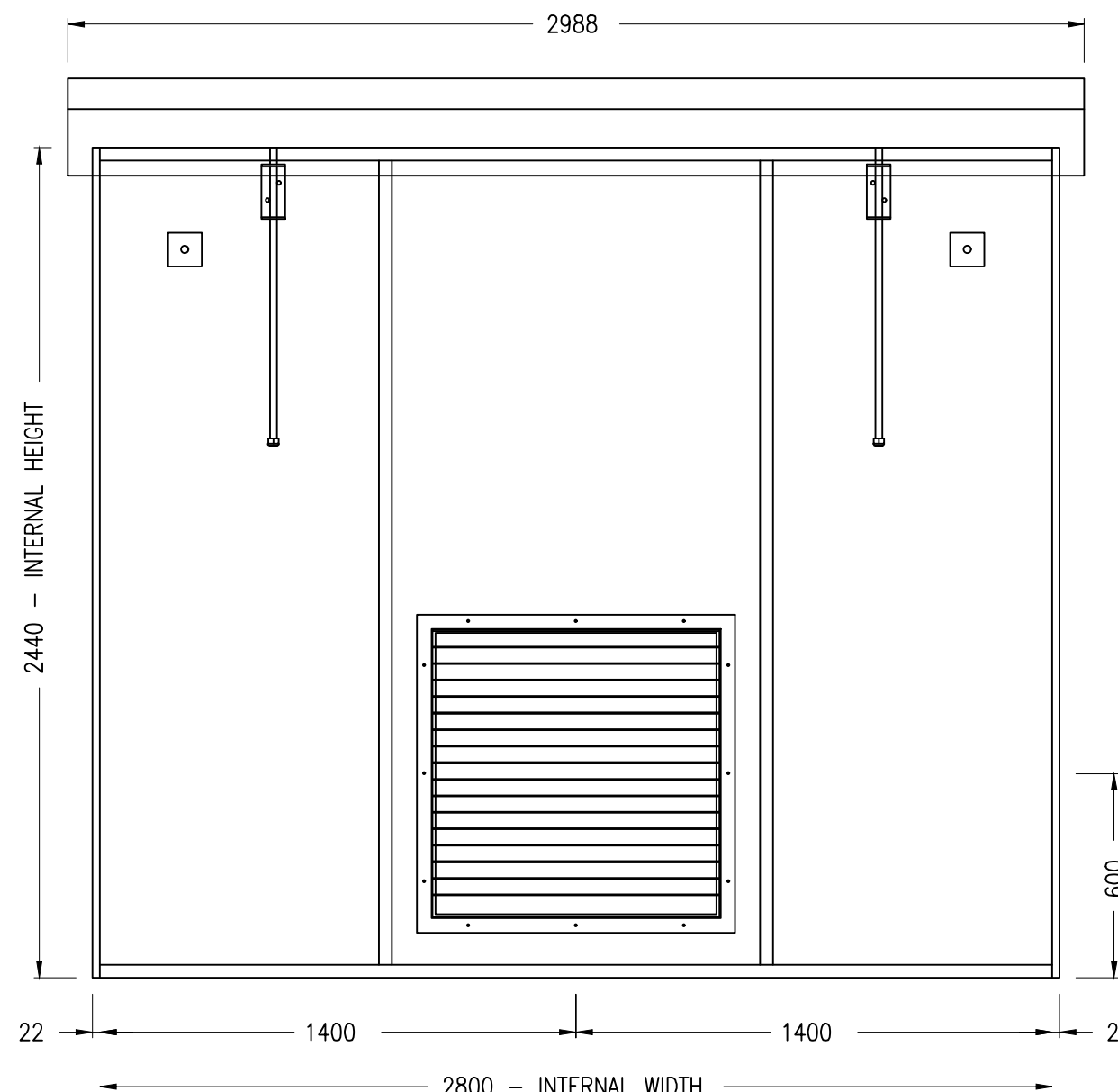
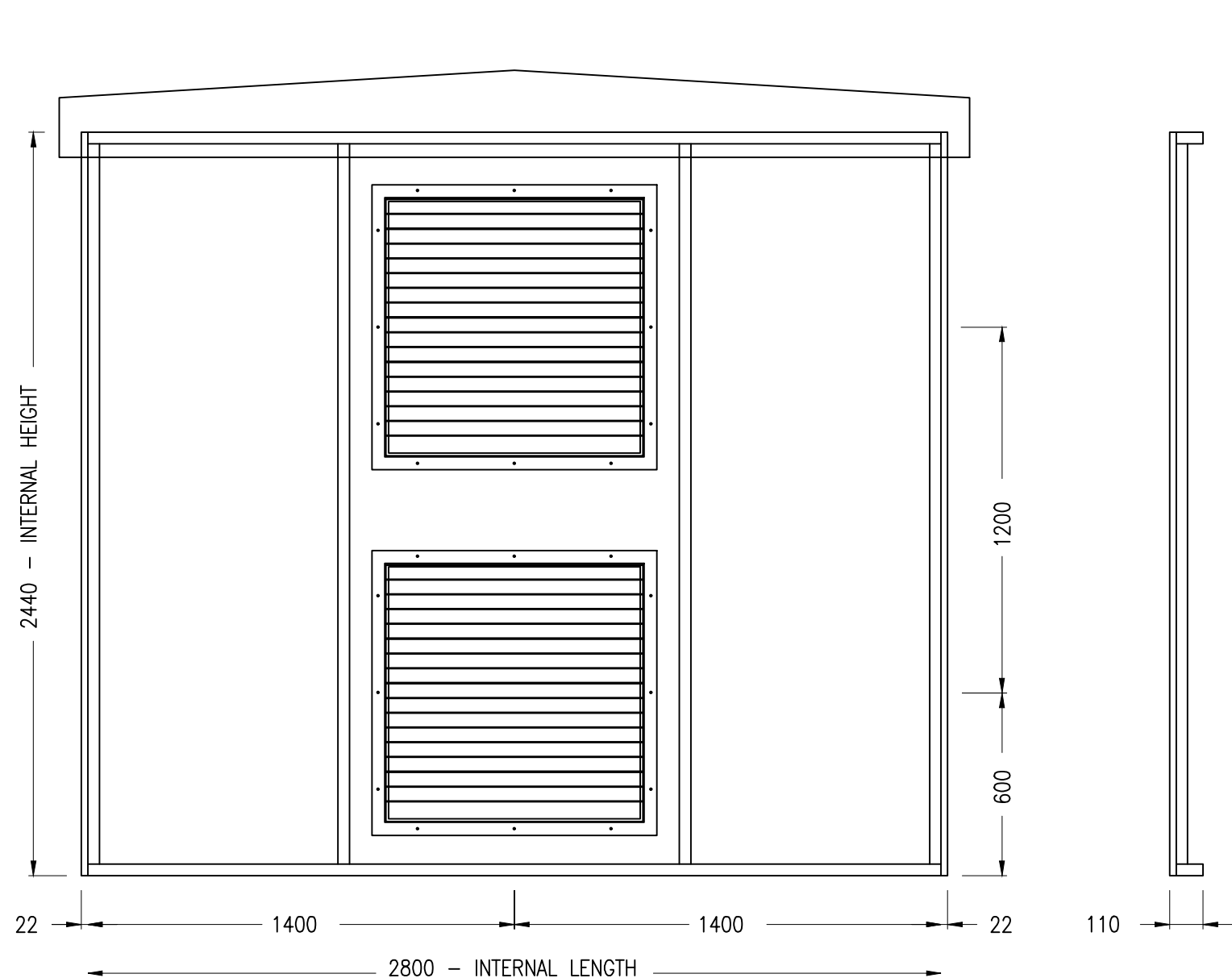




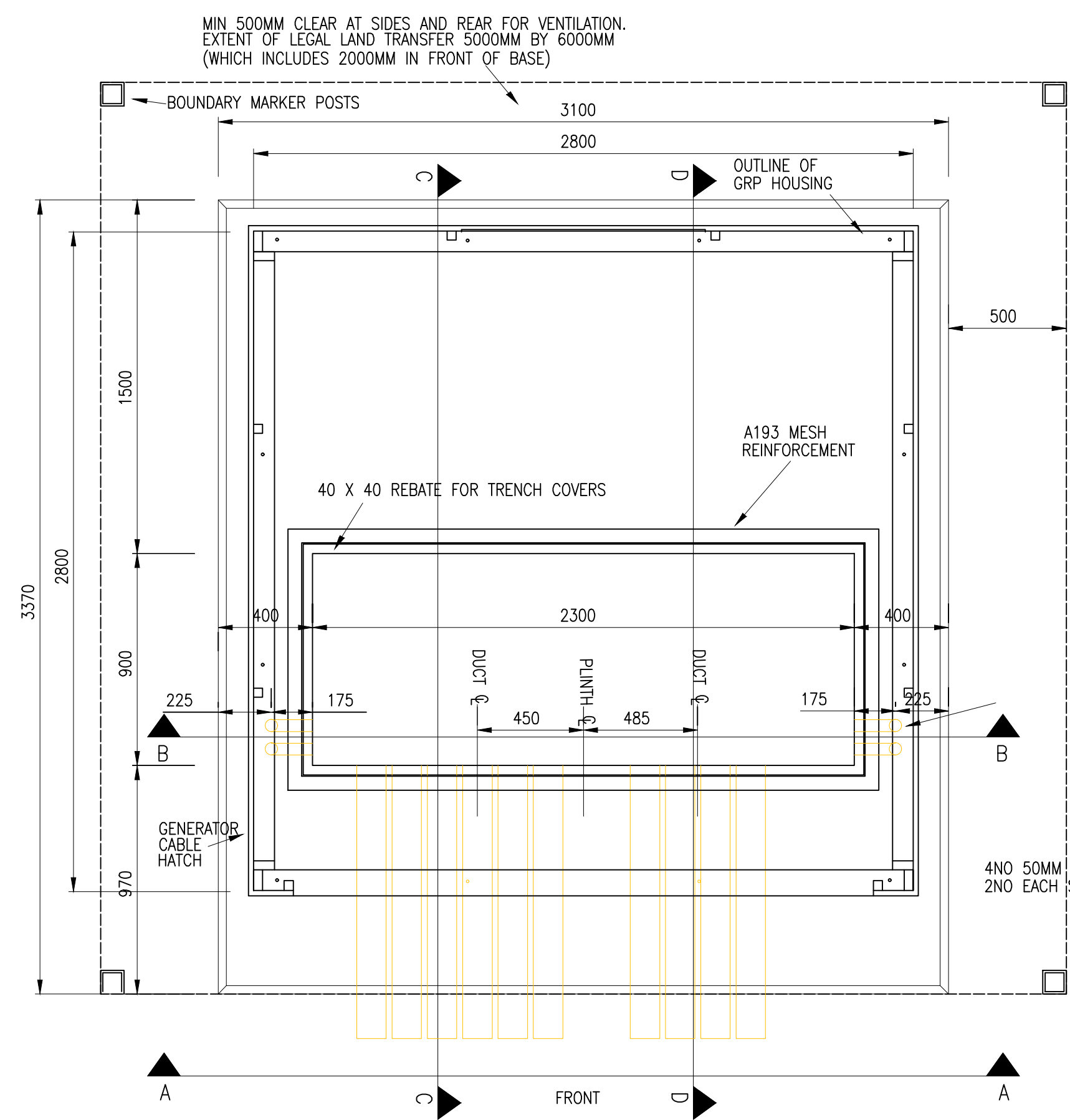
FRONT ELEVATION
SCALE 1:20



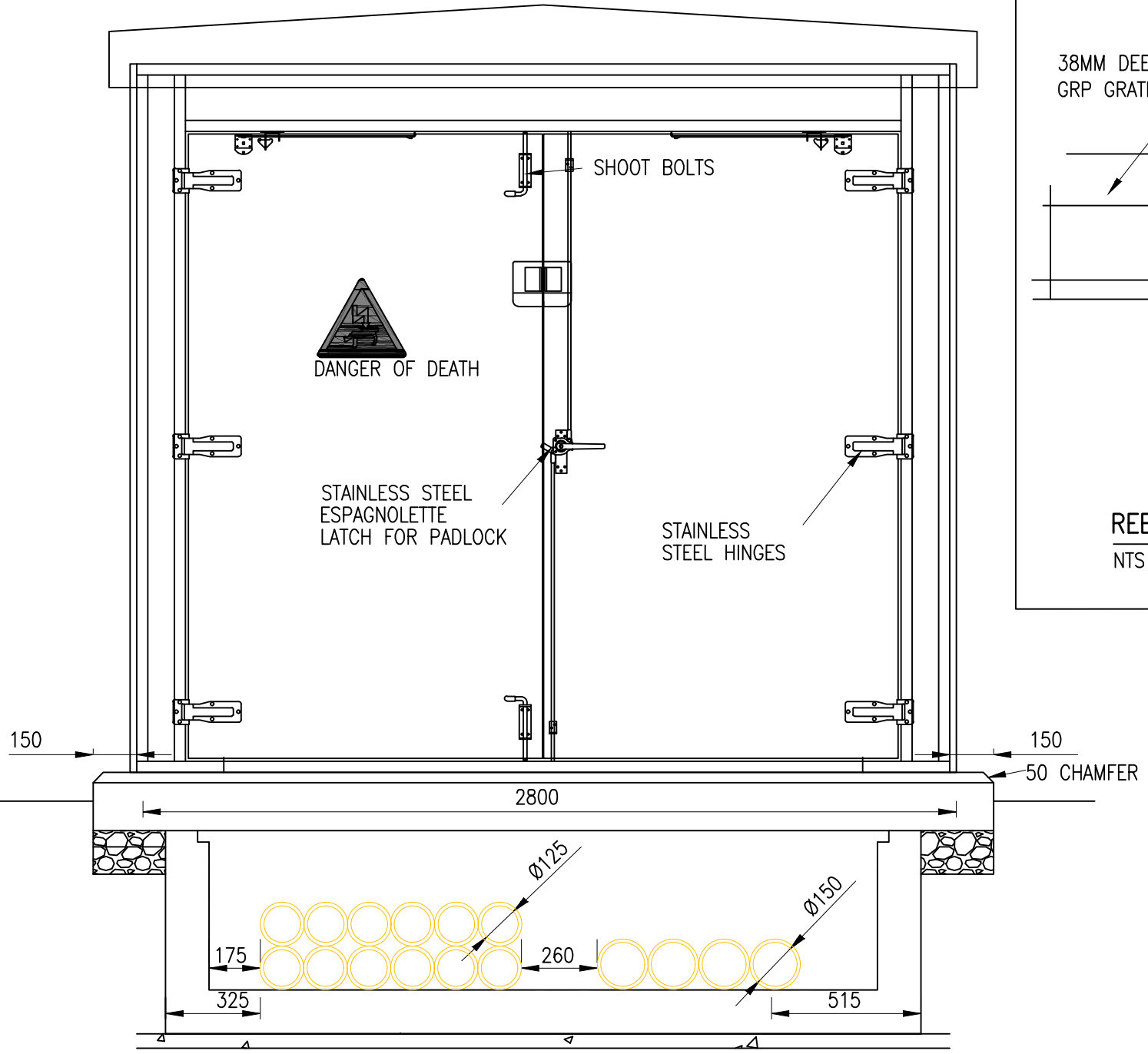
RH & LH SIDE ELEVATIONS
SCALE 1:20



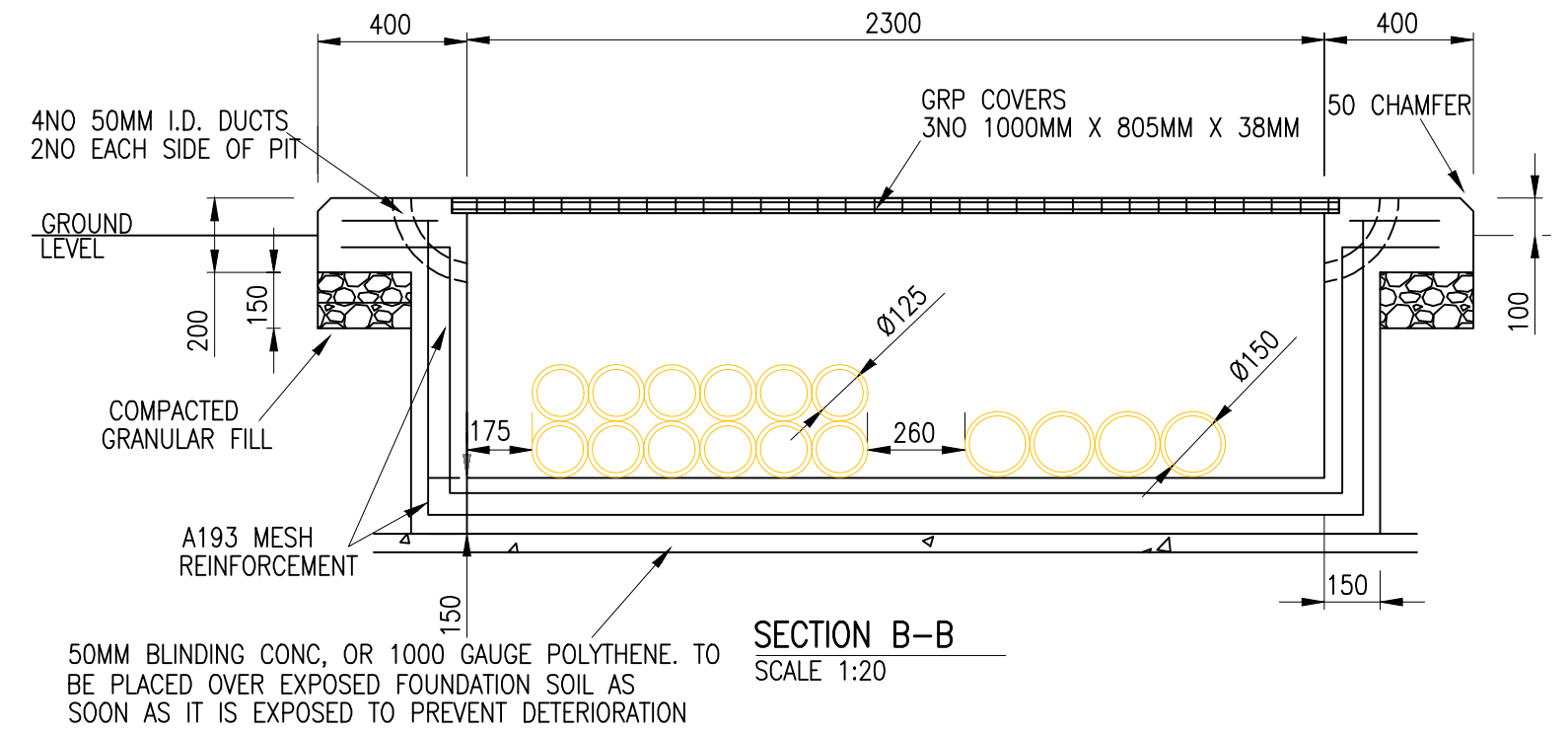
REAR ELEVATION
SCALE 1:20



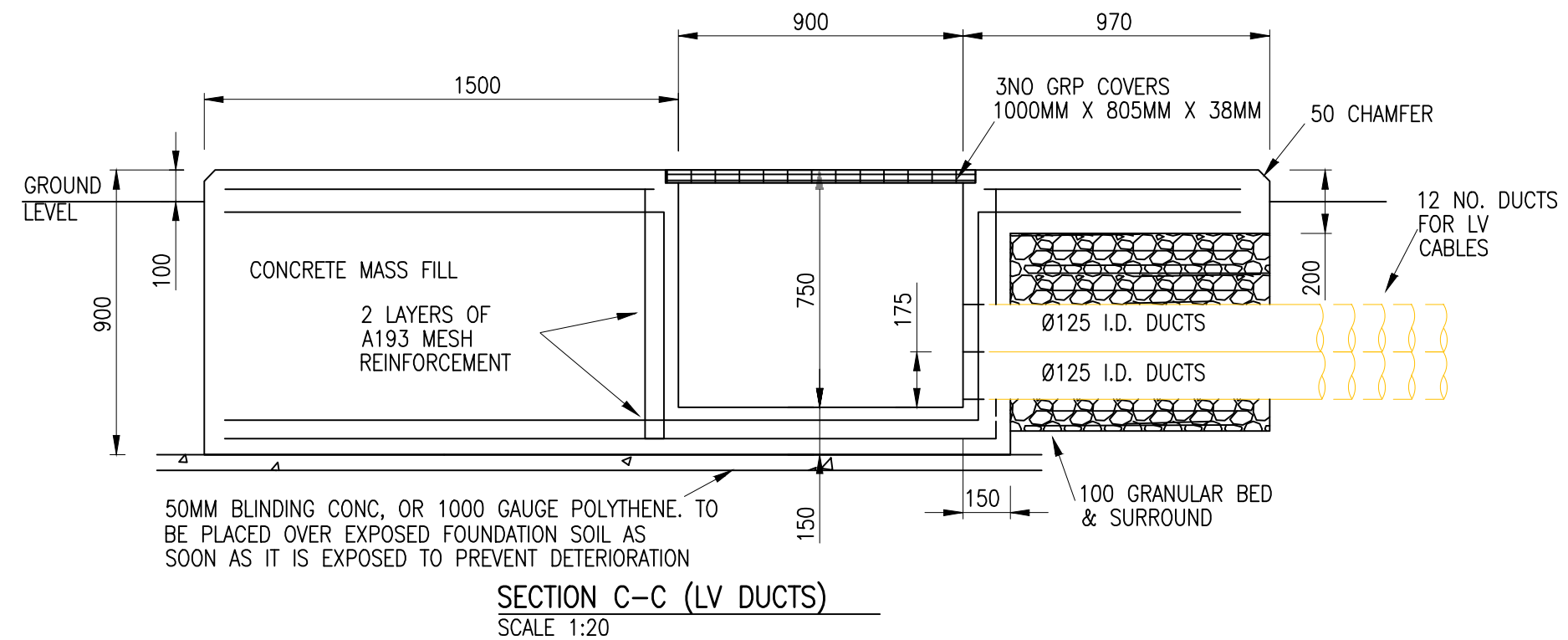
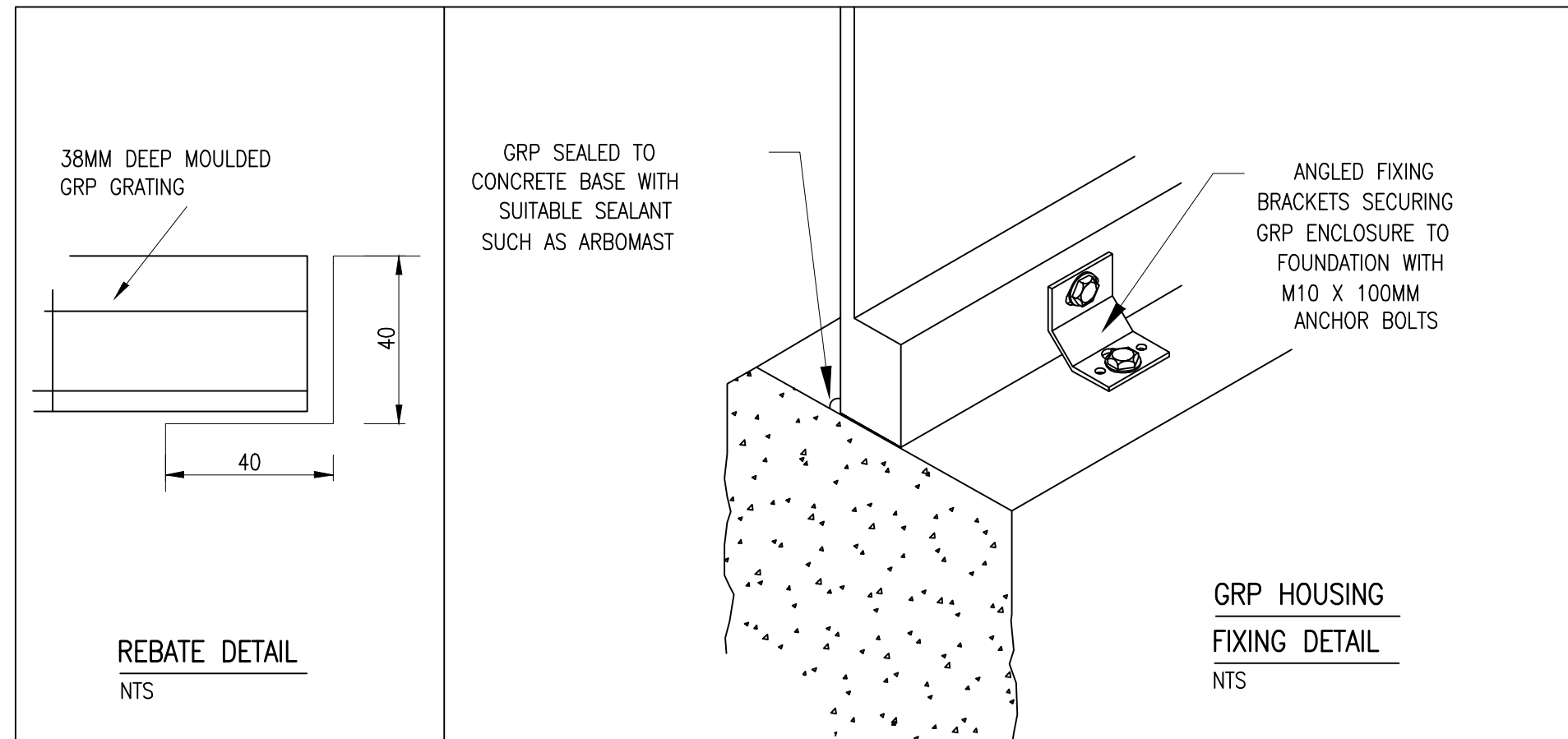
PLAN VIEW
SCALE 1:20



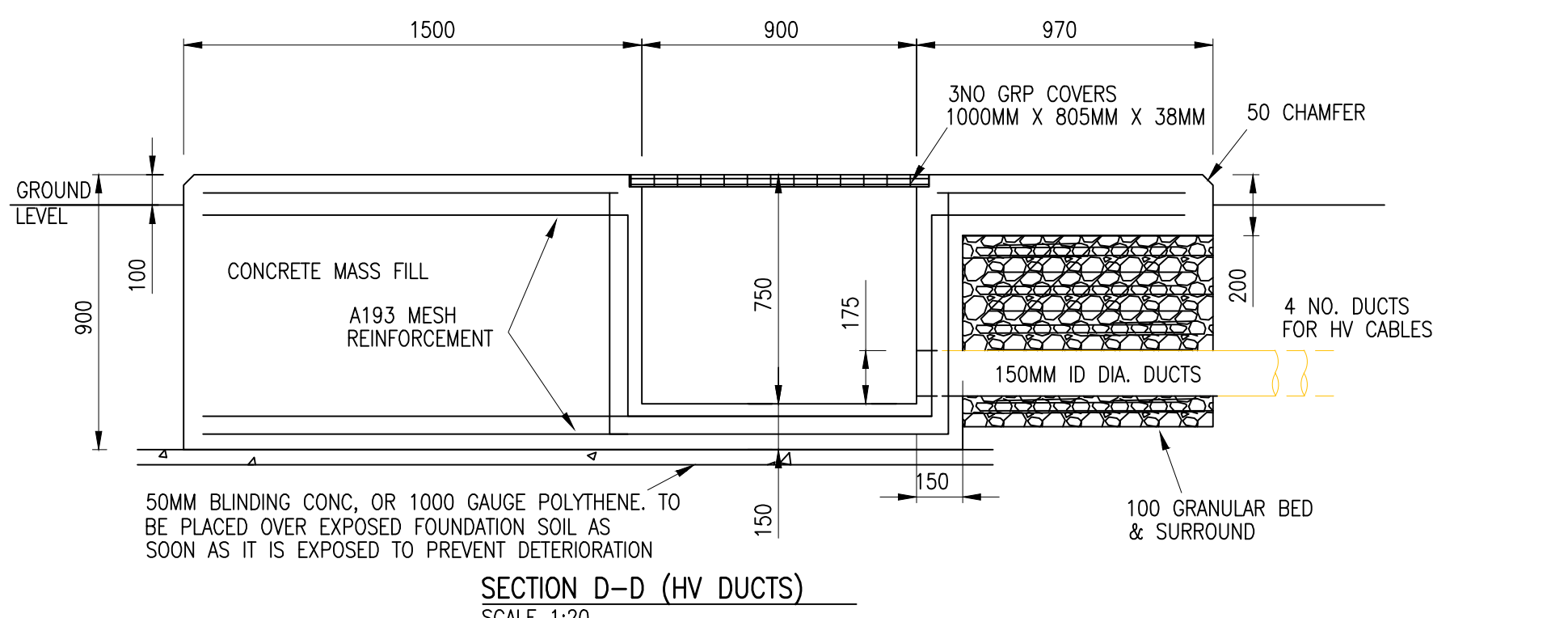
FRONT ELEVATION A-A
SCALE 1:20



SECTION B-B
SCALE 1:20



SECTION C-C (LV DUCTS)
SCALE 1:20



SECTION D-D (HV DUCTS)
SCALE 1:20

NOTES:
THIS DRAWING IN WHOLE OR IN PART SHALL NOT BE COPIED WITHOUT THE
PRIOR PERMISSION OF McARDLE DOYLE LTD.
ALL WORKS TO COMPLY WITH THE CURRENT BUILDING REGULATIONS.

SPECIFICATION NOTES:

- ALL BUILDERSWORK TO BE PROVIDED BY CLIENTS DEVELOPER / BUILDER
UNLESS EXPRESSLY STATED OTHERWISE.
- GENERAL NOTES:
A. THIS DRAWING SHOULD NOT BE SCALED AND NO VARIATIONS TO THE STATED DIMENSIONS OR
MATERIALS SPECIFIED WILL BE PERMITTED WITHOUT PRIOR WRITTEN CONSENT FROM ESPE.
B. THE RUNNING OF HEATING, GAS, WATER AND ANY OTHER SERVICE PIPES THROUGH OR UNDER THE
SUBSTATION IS NOT PERMITTED.
C. IT IS THE RESPONSIBILITY OF THE PRINCIPLE CONTRACTOR TO ENSURE ALL MEASUREMENTS ON SITE ARE
CORRECT AND ANY DISCREPANCIES ARE TO BE REPORTED TO ESPE.
- LV PANEL LOCATION:
- IT IS IMPORTANT THAT THE POSITION AND ORIENTATION OF THE LV PANEL IS DISCUSSED AND
AGREED WITH THE ESPE PRIOR TO THE COMMENCEMENT OF ANY BUILDING WORKS ON SITE.
- LV PANEL SHOULD BE LOCATED ADJACENT TO A PUBLIC HIGHWAY OR REACHED BY A PRIVATE
DEDICATED ACCESS WAY WITH FULL CONTROL AND ASSOCIATED LEGAL RIGHTS.
- 24 HOUR UNIMPEDED ESPE PERSONNEL ACCESS IS REQUIRED AT ALL TIMES, 365 DAYS OF THE
YEAR, ANY DOORS OR GATES ON THE ACCESS ROUTE ARE TO BE LOCKED VIA ESPE DUAL LOCKING
DEVICE.
- LV PANEL ENCLOSURE DOORS MUST NOT ENCRoACH OVER PUBLIC FOOTPATH.
- FOUNDATIONS, CONCRETE & REINFORCEMENT:
- THE STANDARD DESIGN SHOWN IS BASED ON A NET INCREASE OF GROUND PRESSURE AT
FORMATION LEVEL NOT EXCEEDING 25KN/M², THIS IS CONSIDERED ADEQUATE FOR NORMAL GROUND
CONDITIONS, SHOULD SPECIAL SITE CONDITIONS EXIST SUCH AS MADE UP GROUND OR VARIABLE
BEARING PRESSURES THEN THE CLIENT'S STRUCTURAL ENGINEER IS TO DESIGN SUITABLE ALTERNATIVE
FOUNDATIONS ~ ALL ALTERNATIVE PROPOSALS TO BE SUBMITTED TO ESPE FOR COMMENT /
APPROVAL PRIOR TO BUILDING WORKS COMMENCING ON SITE.
- LOCAL SOFT SPOTS MUST BE EXCAVATED AND BROUGHT UP TO FOUNDATION FORMATION LEVEL WITH A
DESIGNATED GEN1 MIX TO BS 8500-2 WITH A CEMENT COMBINATION TO ENSURE SULPHATE
RESISTANCE OR SULPHATE RESISTING PORTLAND CEMENT TO BS 4027.
- CONCRETE TO BE DESIGNATED RC40P MIX WITH 20MM AGGREGATE, TO BS 8500-2 WITH A
CEMENT COMBINATION TO ENSURE SULPHATE RESISTANCE OR SULPHATE RESISTING PORTLAND
CEMENT TO BS 4027.
- REINFORCEMENT SHALL BE TWO LAYERS OF A193 MESH TO HAVE A MINIMUM COVER OF 40MM
AND A NOMINAL COVER OF 50MM.
- VERTICAL FACES TO BE FORMED USING FULL DEPTH PLYWOOD SHUTTERING TO PROVIDE A FAIR FACE
FINISH.
- TOP OF ALL CONCRETE WORKS TO BE FINISHED SMOOTH & LEVEL WITHIN ±2MM WITH A STEEL TROWEL
~ IT SHOULD BE NOTED THAT A HIGH STANDARD OF WORKMANSHIP IS REQUIRED.
- GRP HOUSING:
ESPE KIOSK No. 1 , KINGLSEY PLASTICS, THE AIRFIELD, WINKLEIGH, DEVON. EX19 8DW
- GRATINGS & GRATING SUPPORT:
- 38MM DEEP MOULDED GRP GRATINGS OPEN TYPE WITH GRITTED SURFACE, COLOUR GREEN BY TW
ENGINEERING CO LTD, ANGULAR HOUSE, EAGLE RD, QUARRY HILL IND PARK, ILKESTON,
DERBYSHIRE, DE7 4RB, OR CAPTRAD.

UNIT INFORMATION FOR TRANSPORTATION	
EXTERNAL LENGTH	2988
EXTERNAL WIDTH	2988
EXTERNAL HEIGHT	2643
APPROX WEIGHT	-

CONSTRUCTION: STANDARD - ONE PIECE

DIMENSIONS:	2800 X 2800 X 2440MM (INTERNAL)
FINISH:	TEXTURED - 14 C 39 (BRITISH RACING GREEN)
DOORS:	1 X DOUBLE DOORS - 1220 X 2150MM
DOOR LOCK:	3 WAY LOCKING C/W L HANDLE (EYE REMOVED) DUAL LOCKING SHROUD
VENTS:	4 OFF 850 X 850MM GALVANISED VENTS
ROOF TYPE:	EXPLOSION RELIEF - DUAL PITCH - 50MM SOFFIT
EXTRAS:	NONE

NOTE:
SUB-STATION INCLUDING BASE
& BY DUCTING OTHERS

Rev.	Description	CF	By	26.06.25	Date
-	ISSUED FOR PLANNING				

McArdle Doyle
Second Floor
Exchange Building
The Long Walk
Dundalk, Co. Louth

**Chartered Engineers
Architectural Services
& Project Managers**
mail@mcardedoyle.ie
+353(0) 42 942 9052

PROJECT:
IONITY FAST CHARGING HUB,
VILLAGE HOTEL, SOUTHAMPTON,
UNITED KINGDOM

CLIENT:
IONITY

DRAWING TITLE:
**PROPOSED IONITY
SUB-STATION DETAIL**

Date	19/06/25	Drawn	CF	Checked	JF	Approved	RMA
Scale at A1	AS SHOWN	Drawing Number	P2434.22.C08	Status	PL	Rev.	-

